

FIG.1

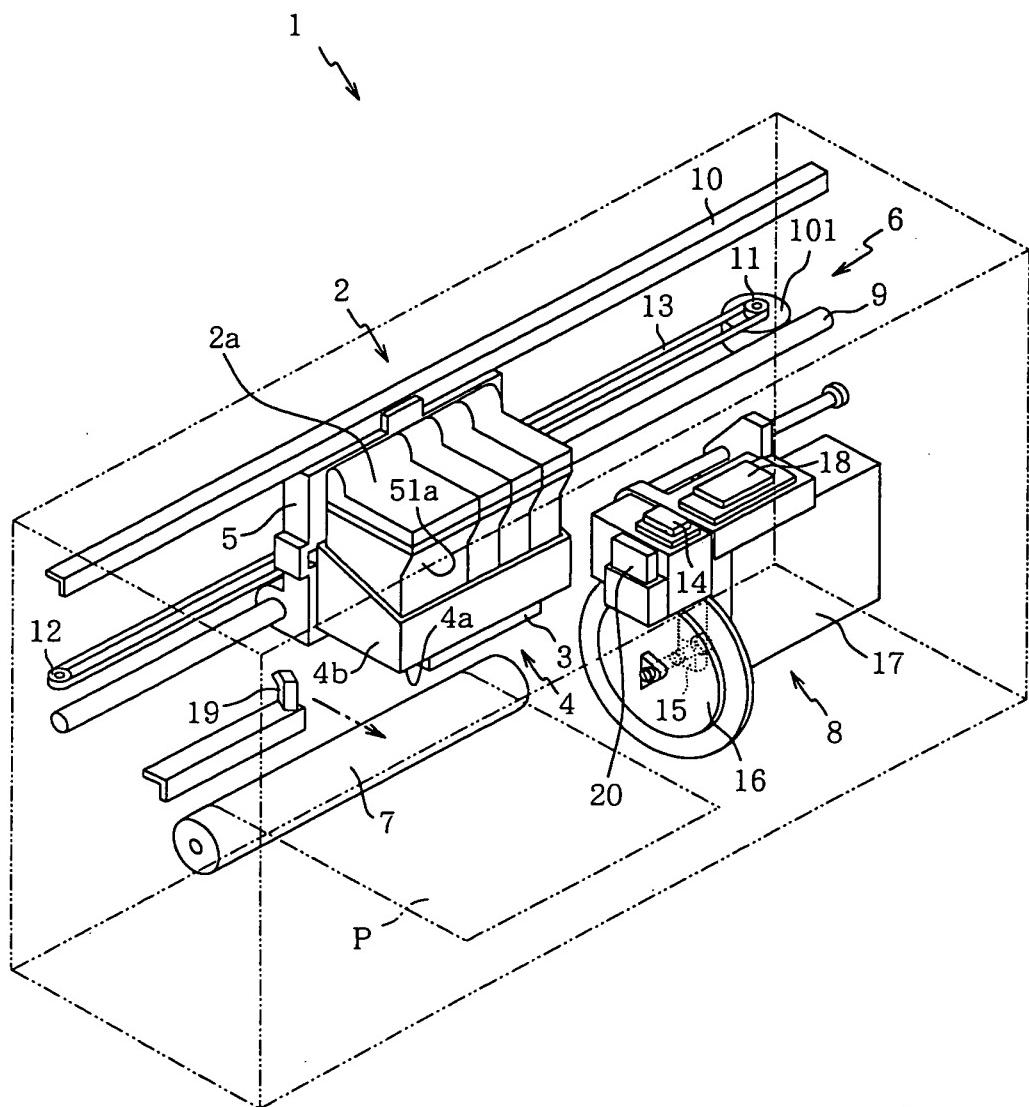
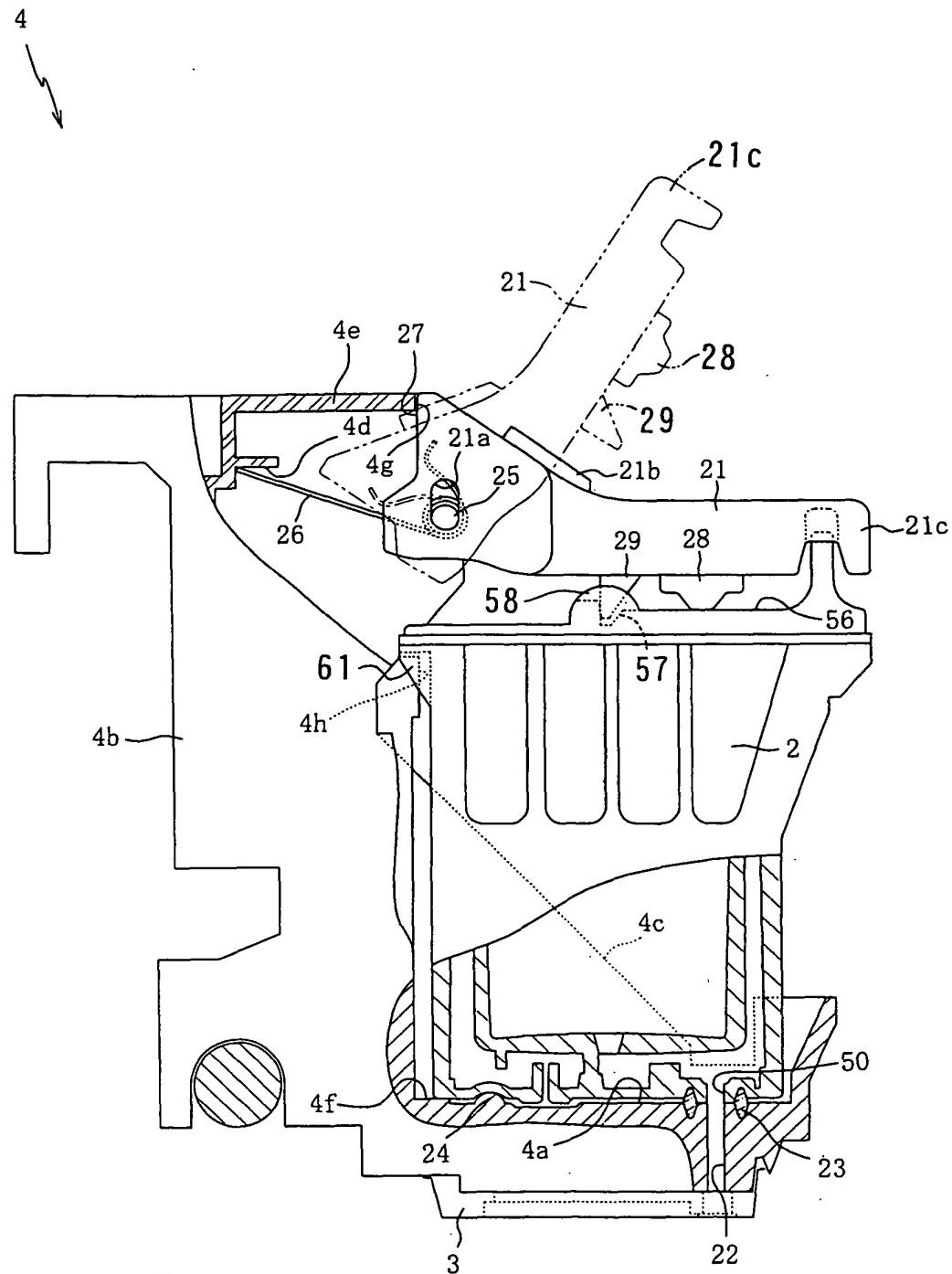


FIG.2



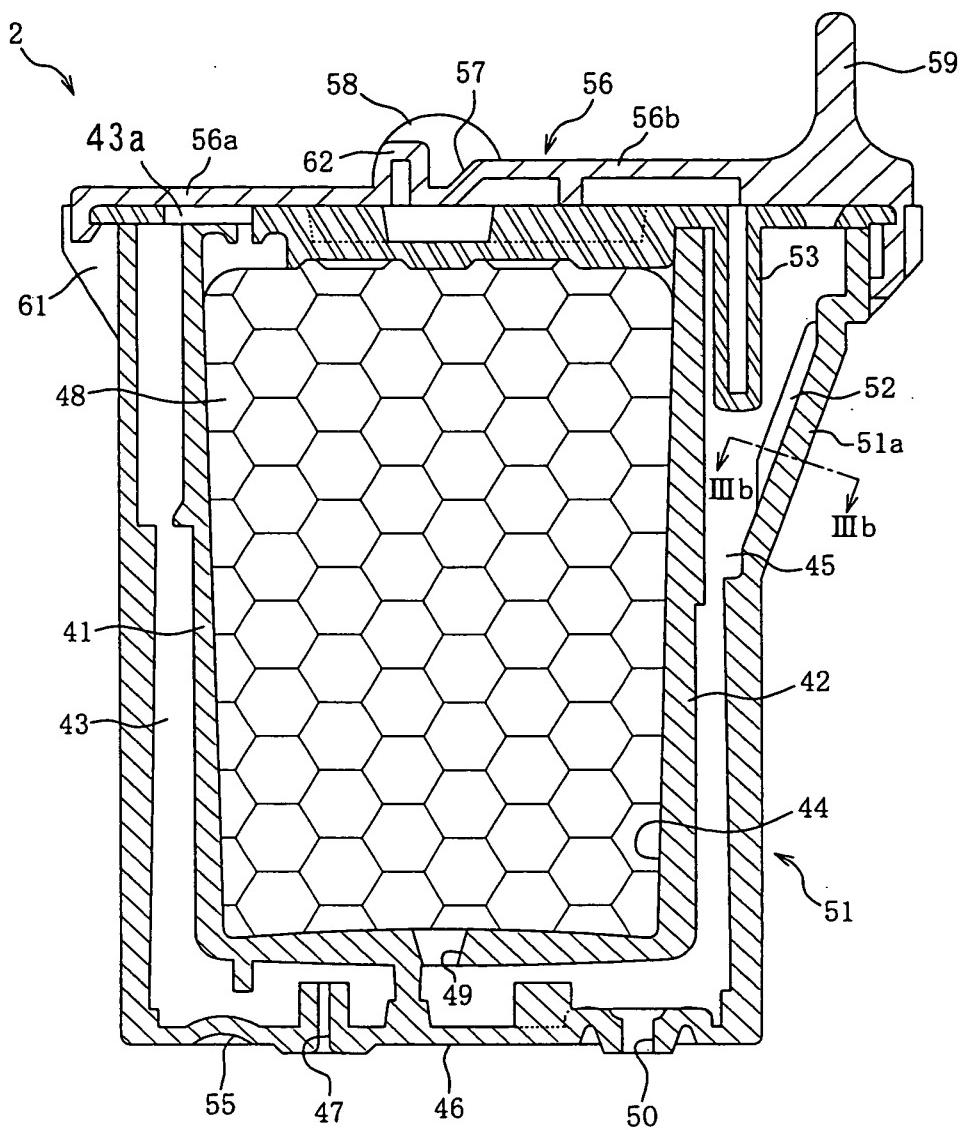


FIG.3A

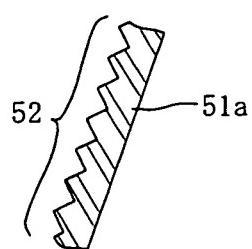


FIG.3B

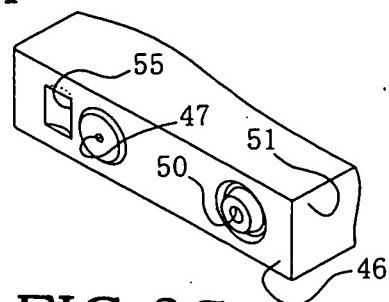
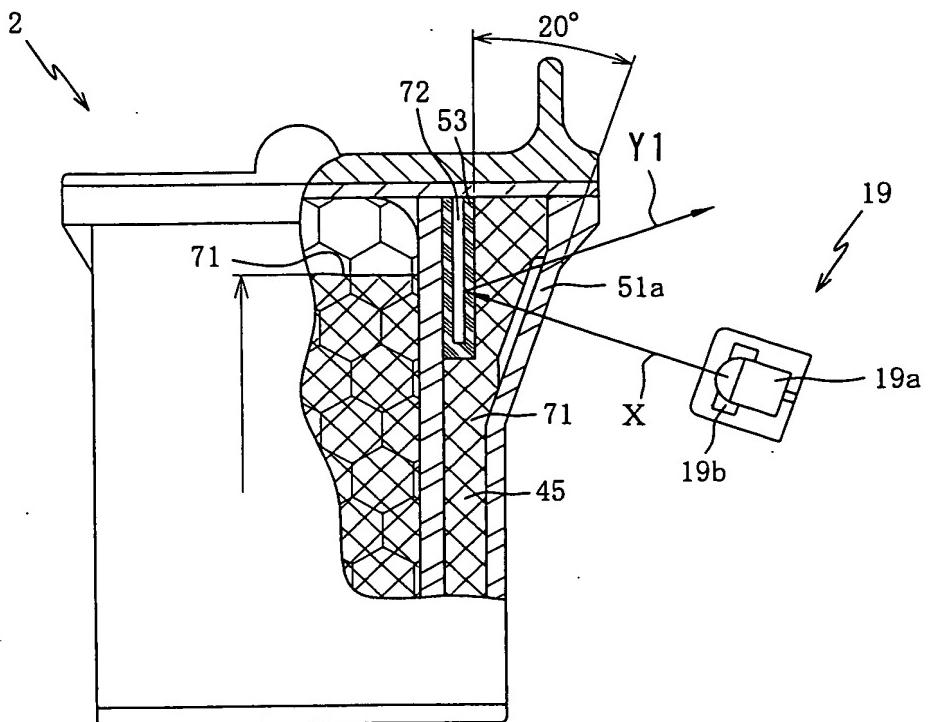


FIG. 3C

**FIG.4A**



**FIG.4B**

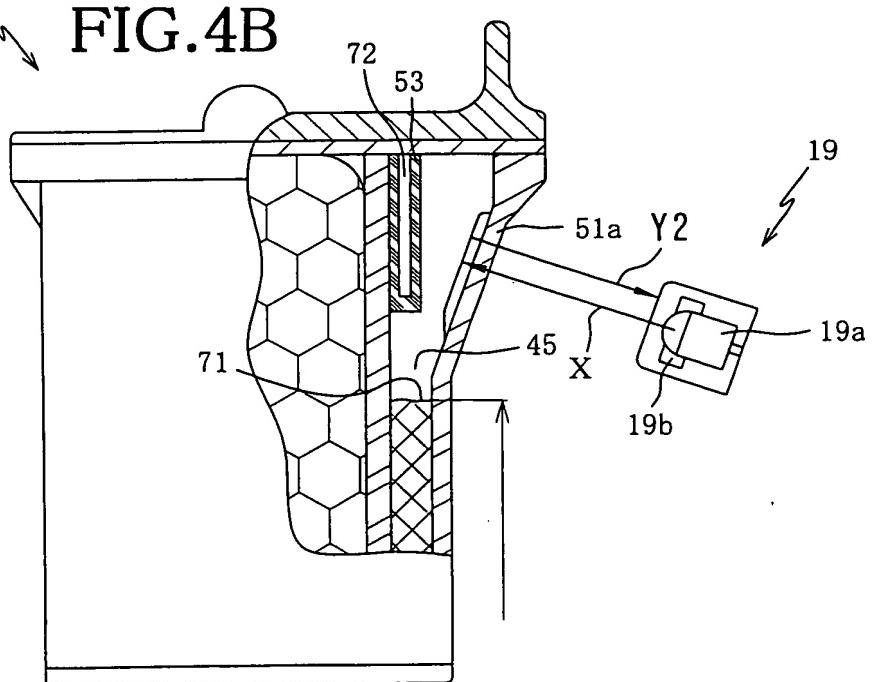


FIG.5

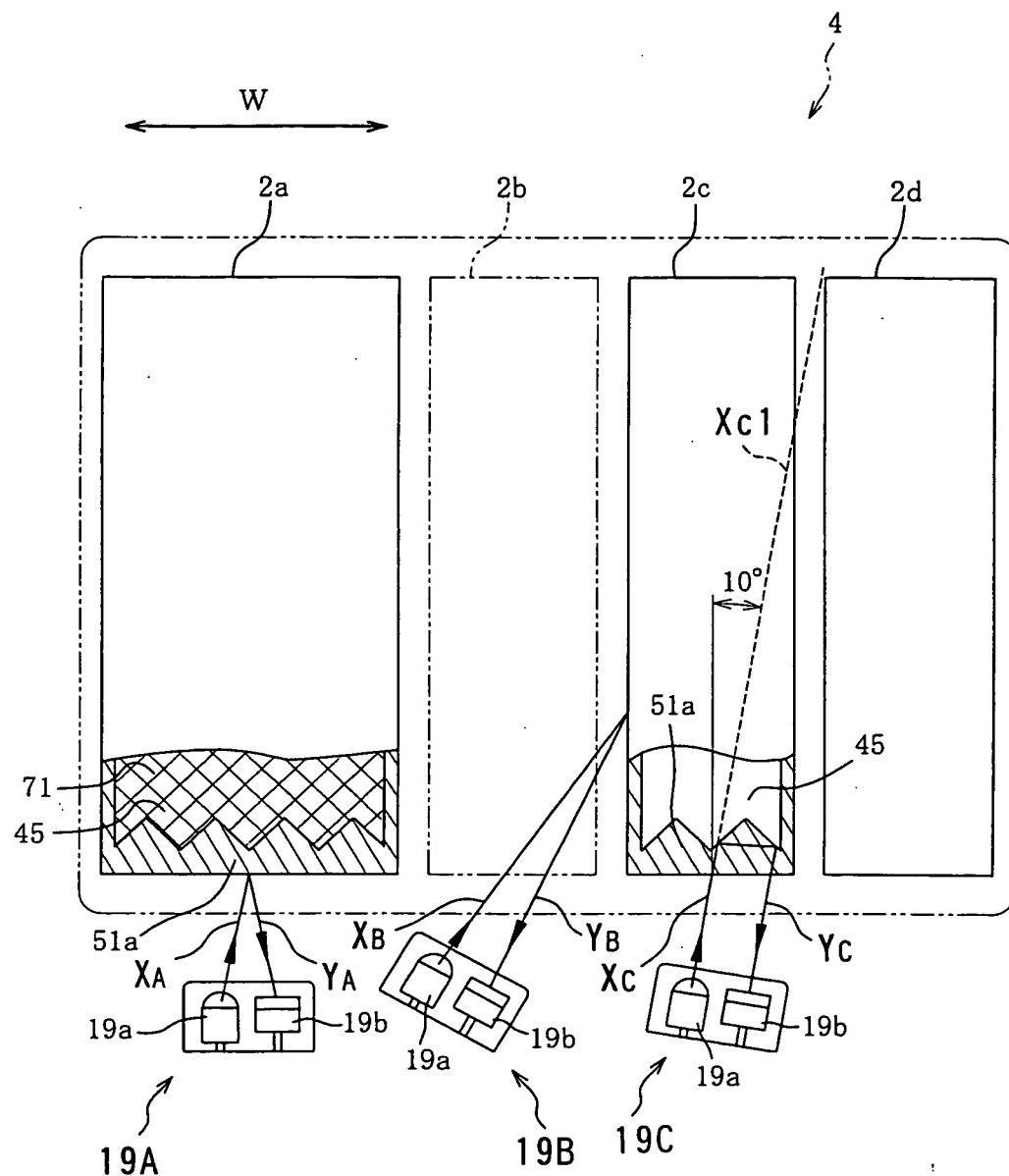
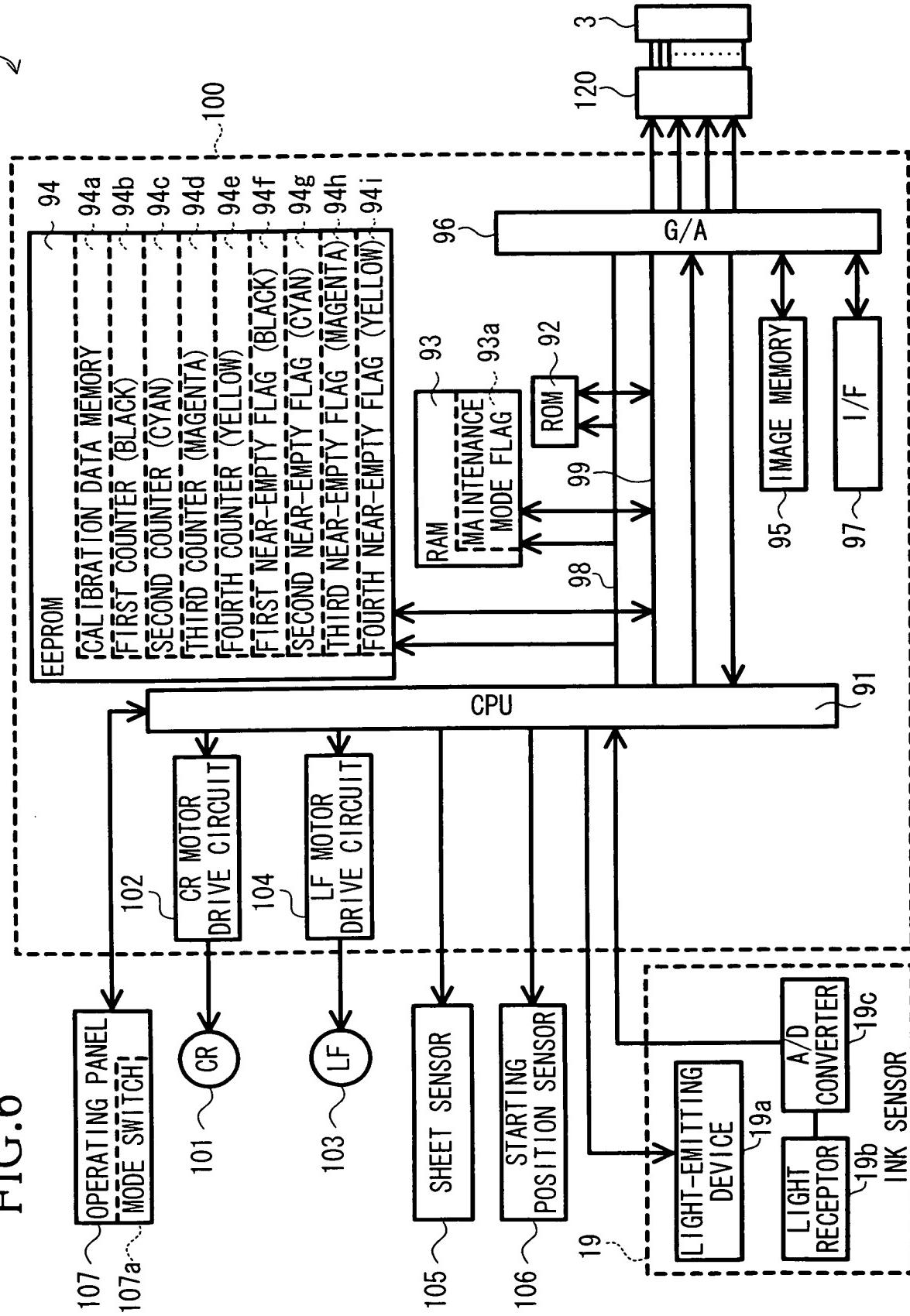


FIG.6



**FIG.7** (DETECTION OF DEVIATION OF RELATIVE POSITION  
BETWEEN INK SENSOR AND CARTRIDGE)

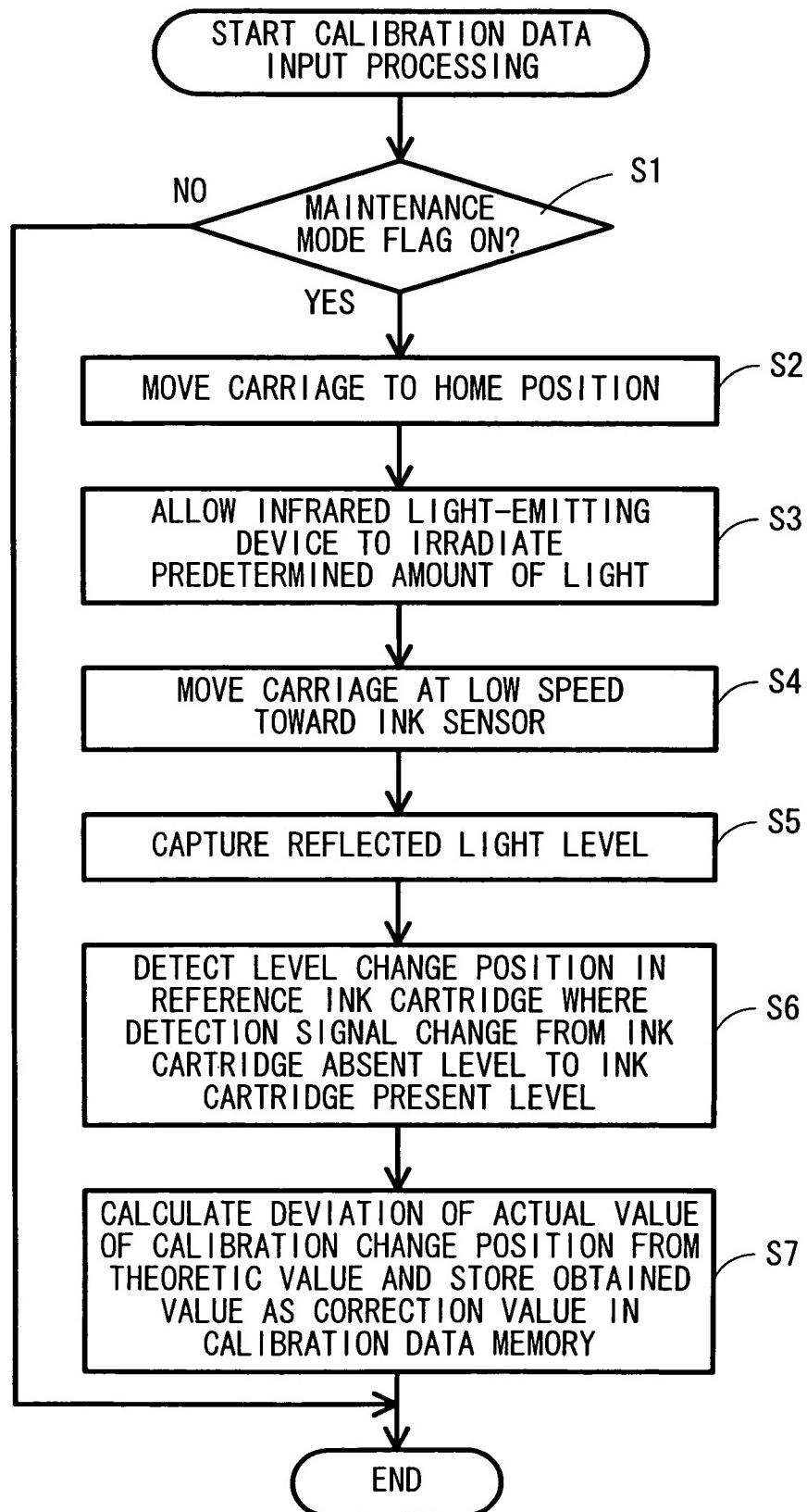


FIG.8

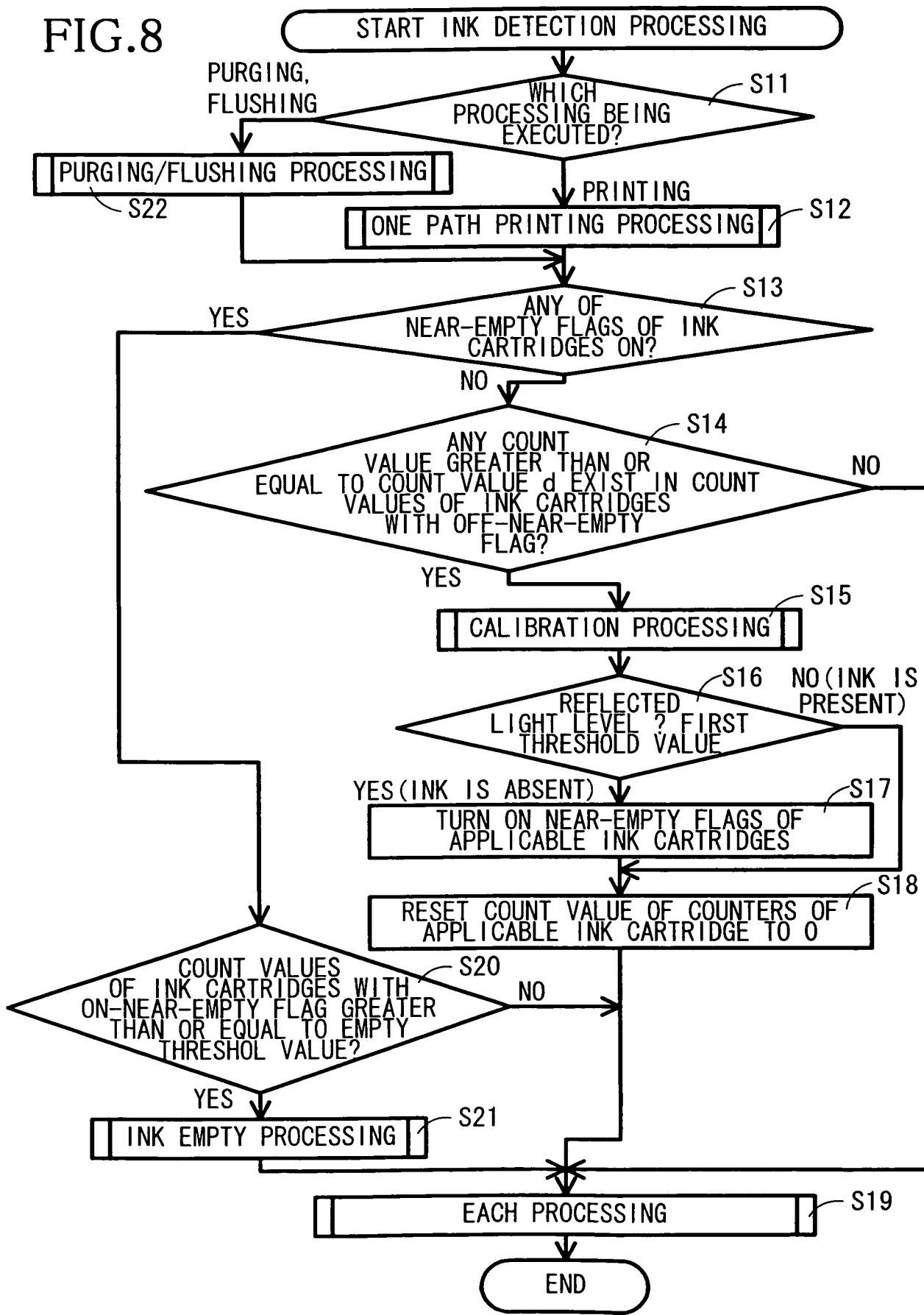


FIG.9

(CORRECTION OF DEVIATION OF RELATIVE POSITION  
BETWEEN INK SENSOR AND INK CARTRIDGE AND  
READING OF REFLECTED LIGHT LEVEL)

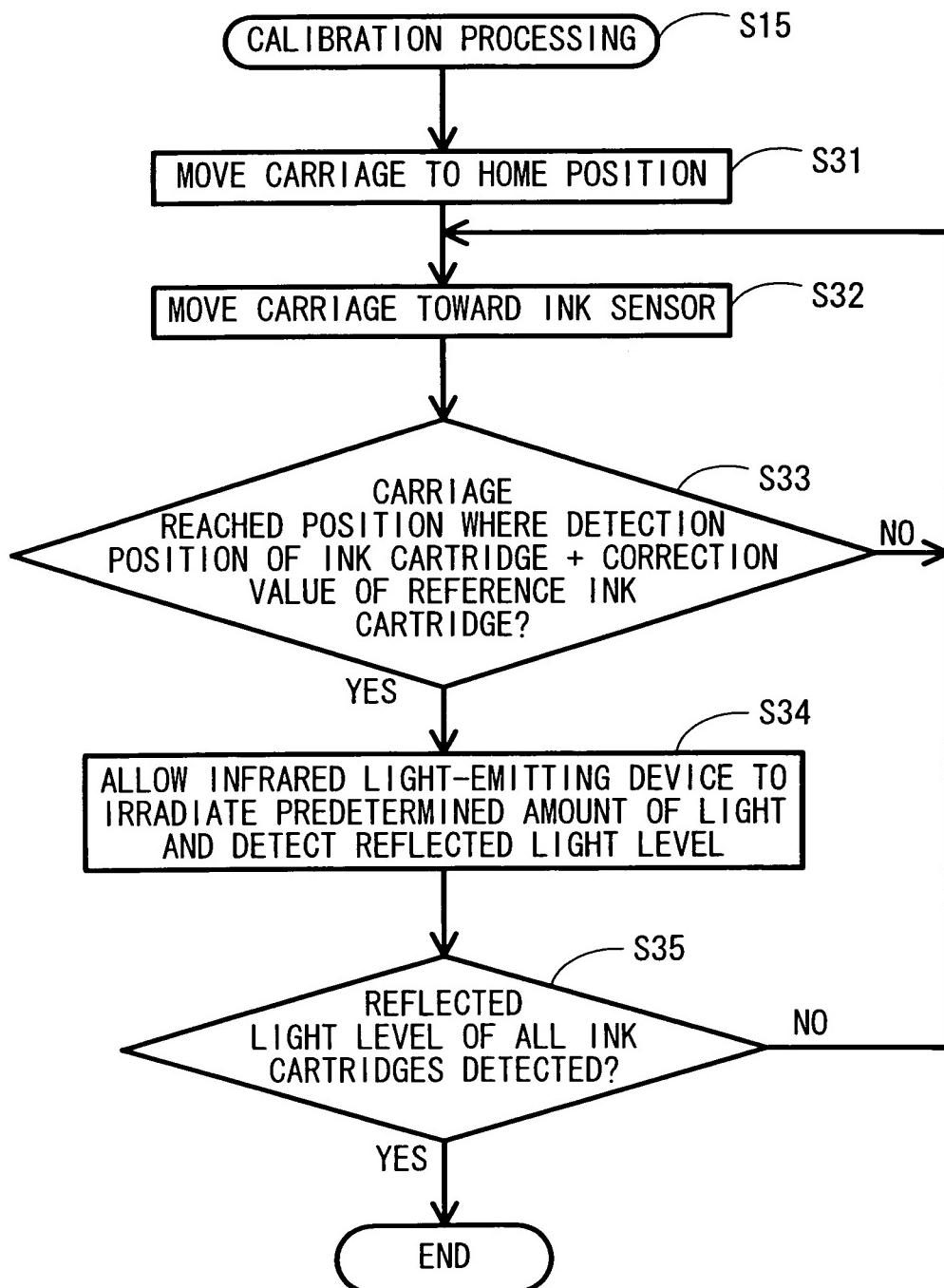
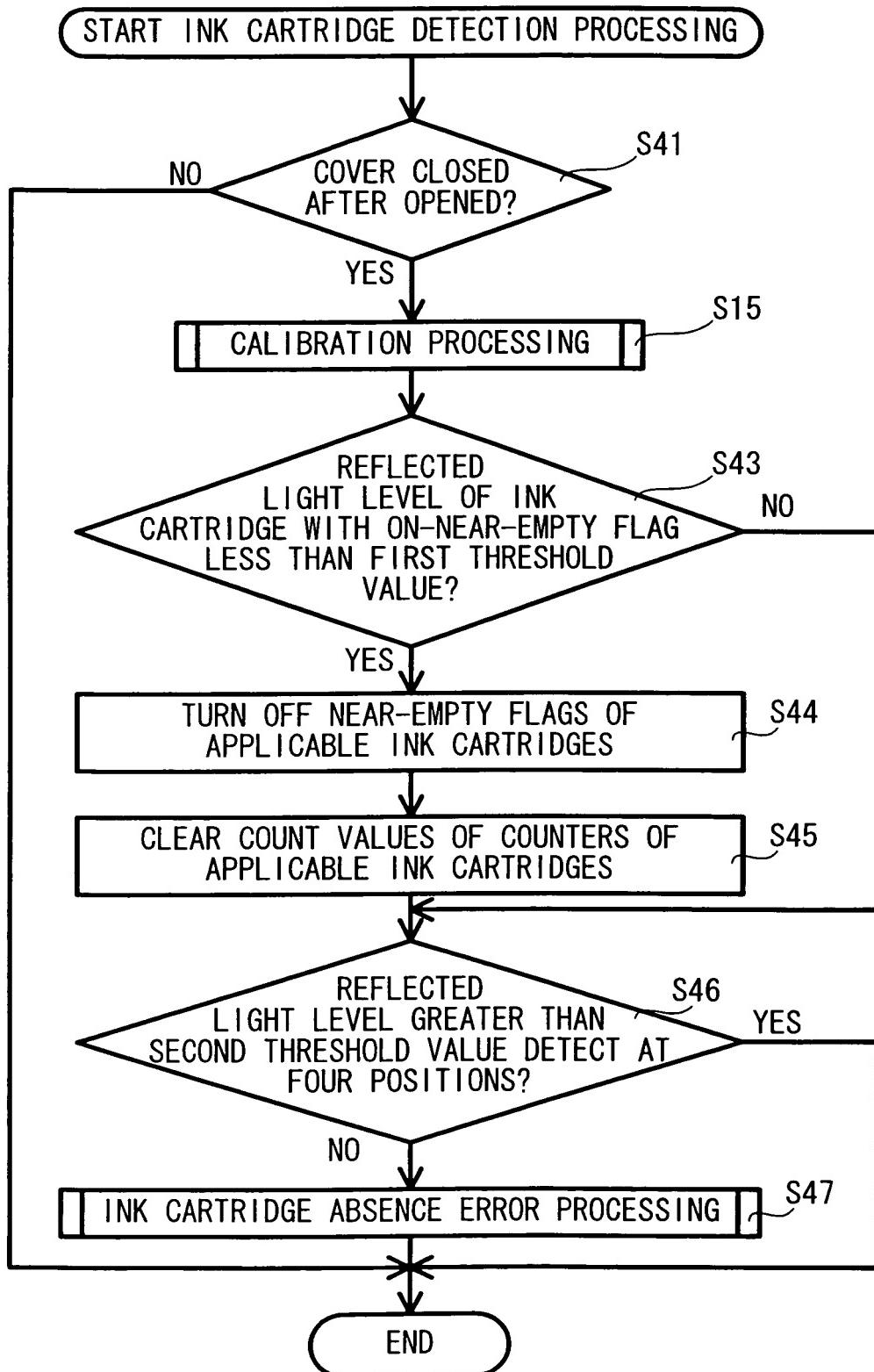
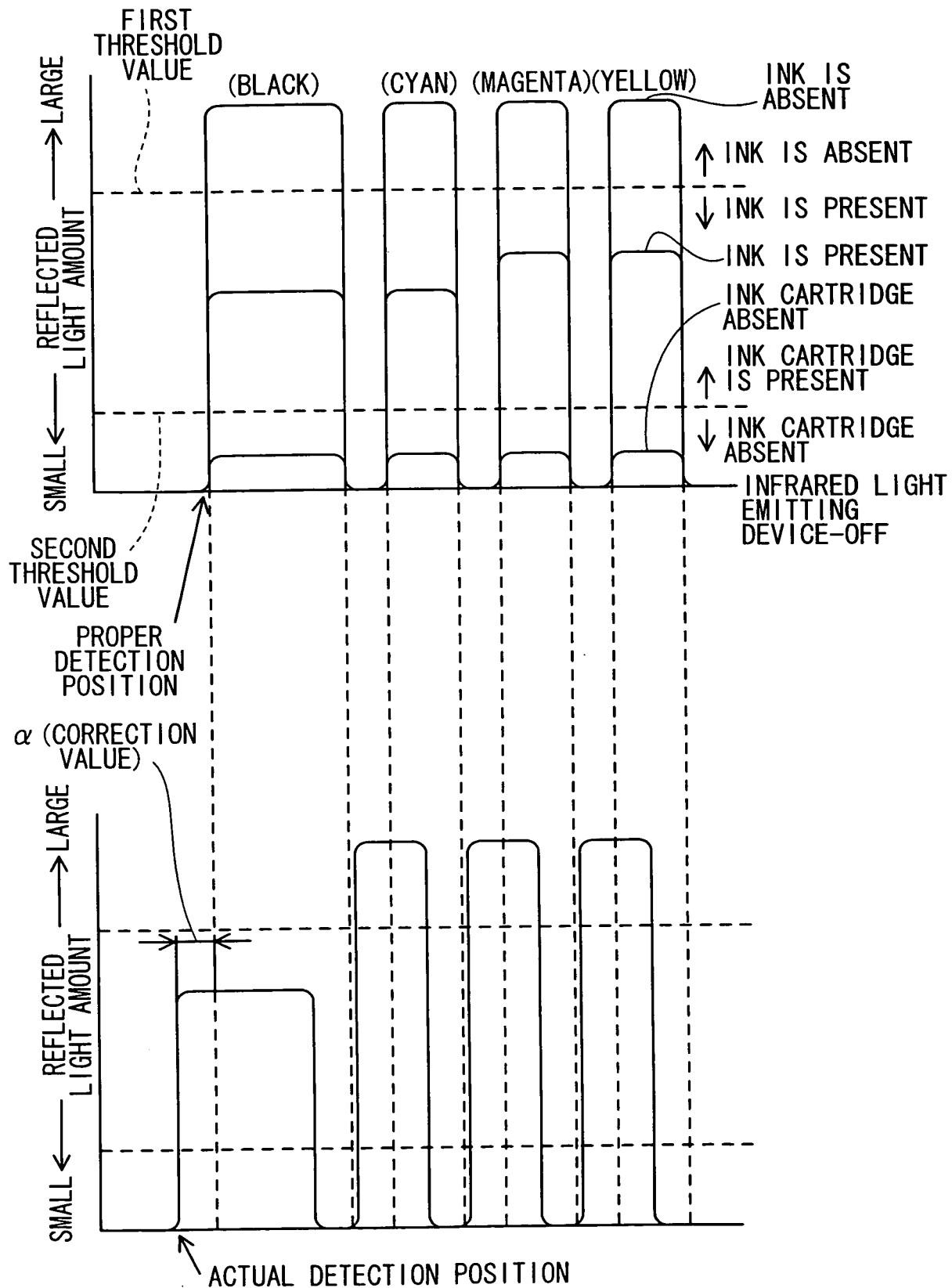


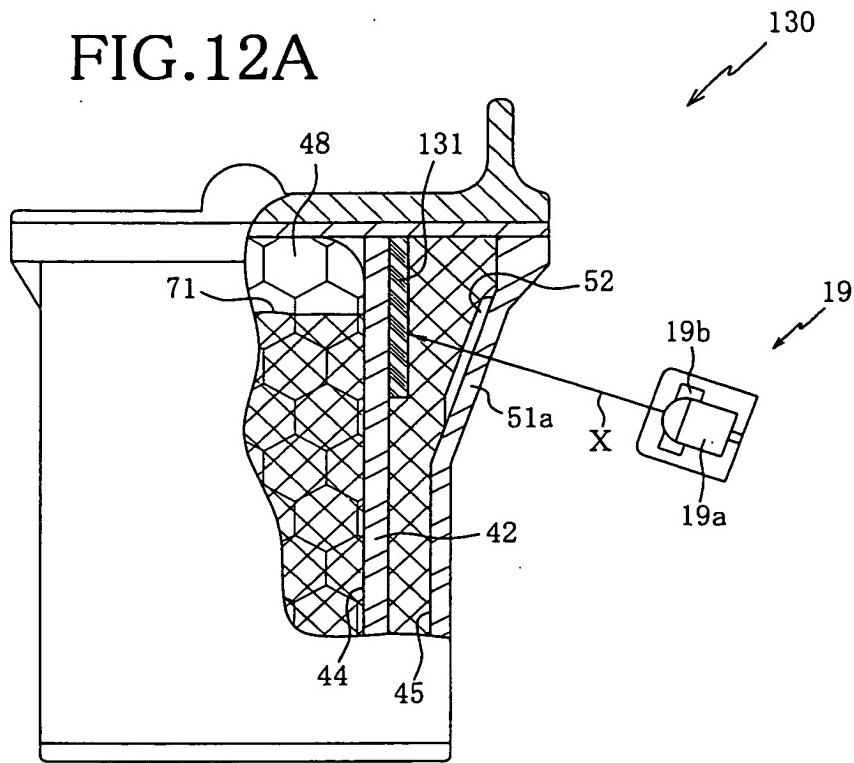
FIG.10



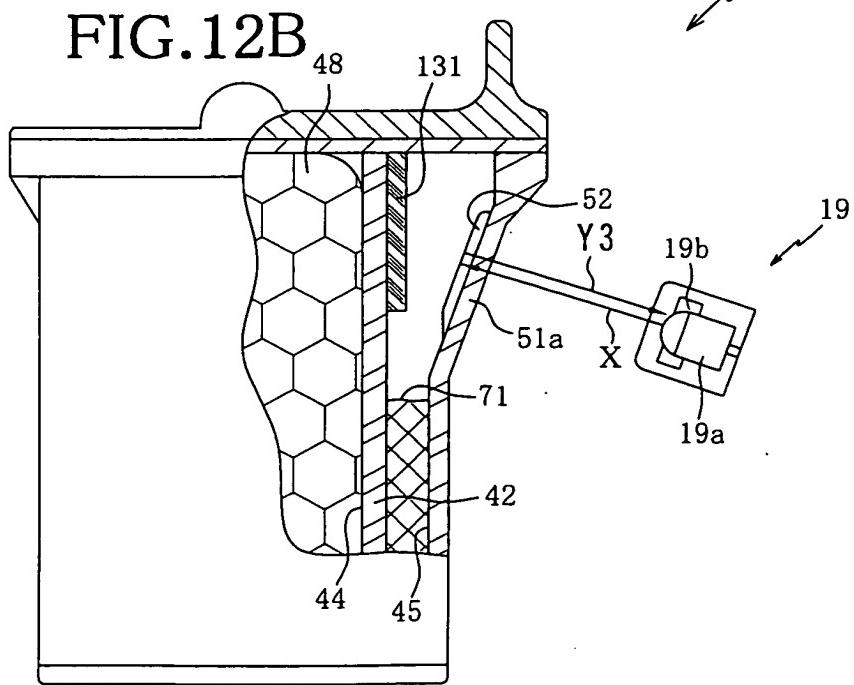
**FIG.11**



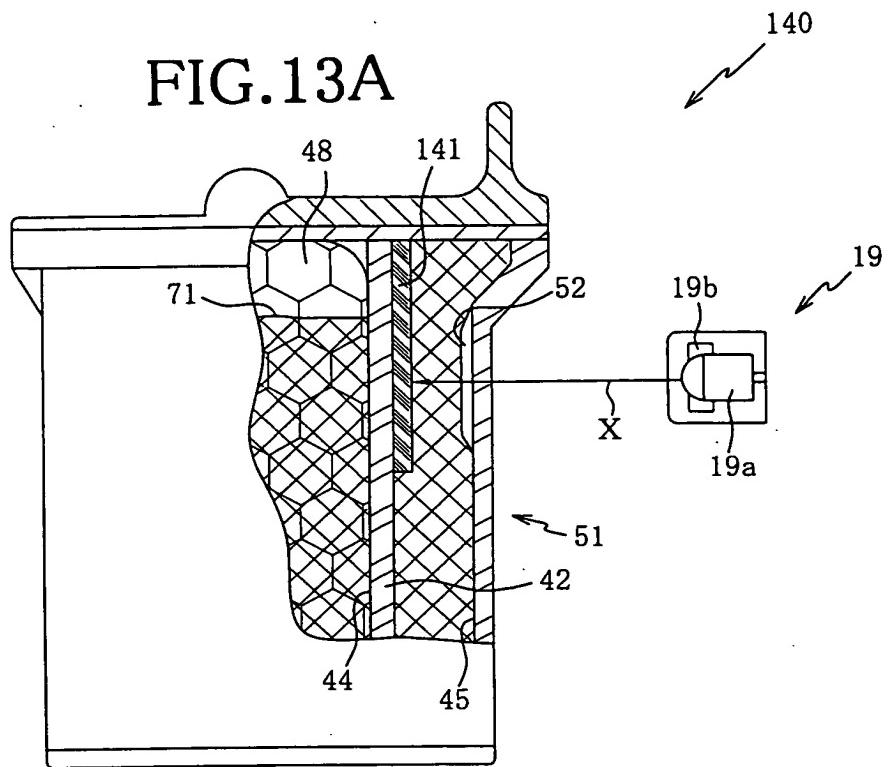
**FIG.12A**



**FIG.12B**



**FIG.13A**



**FIG.13B**

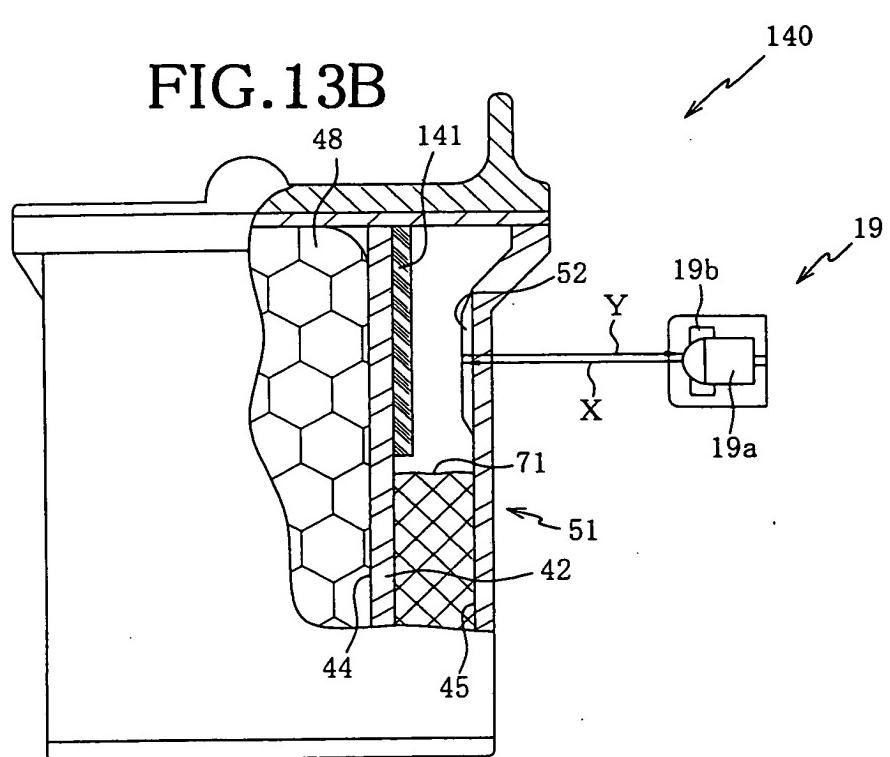


FIG.14

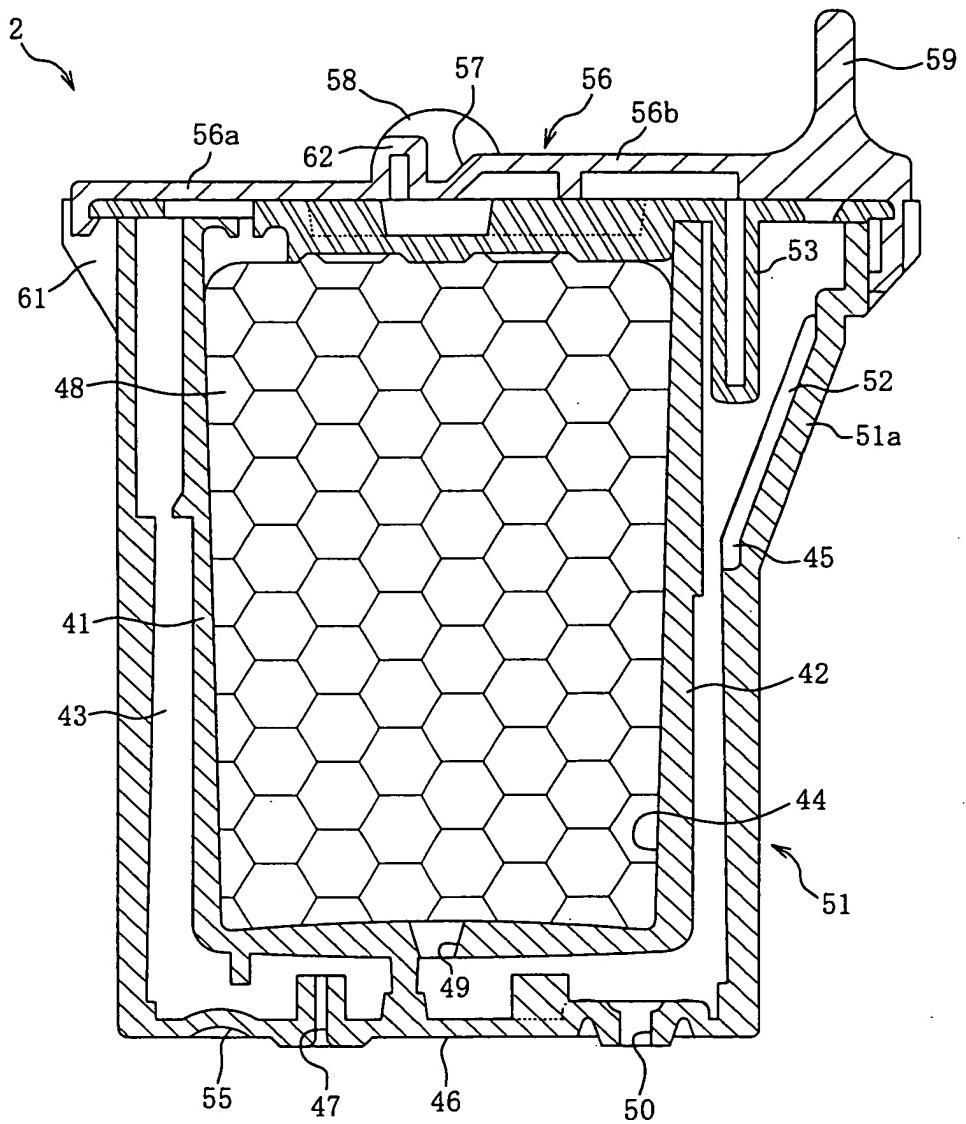
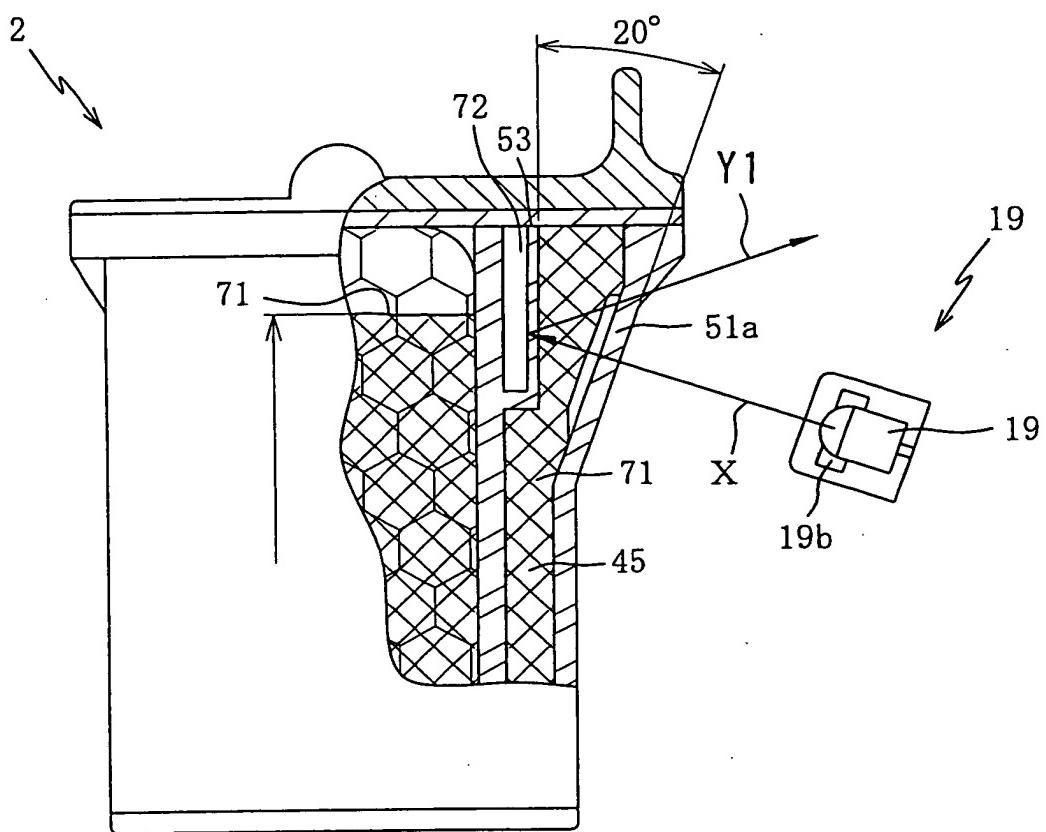
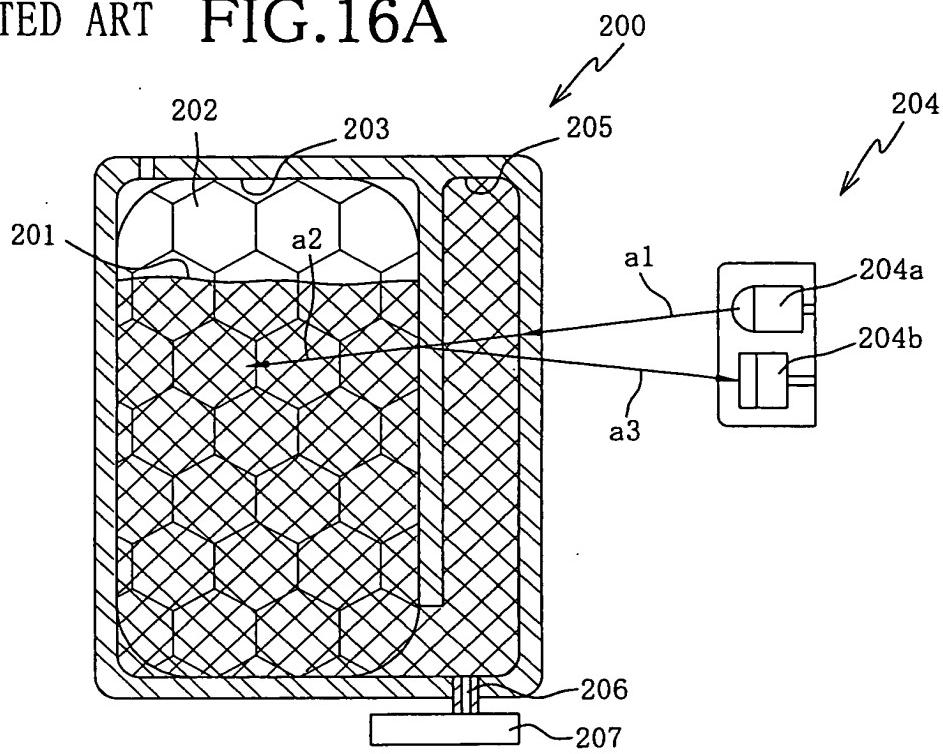


FIG.15



RELATED ART FIG.16A



RELATED ART FIG.16B

